## WHAT IS CLAIMED IS:

## 1. A compound of the formula:

$$Q - N = R^{2}$$

$$R^{3}$$
(1)

wherein  $R^1$  is  $C_1$ - $C_3$  haloalkyl;  $R^2$  and  $R^3$  are the same or different and are hydrogen,  $C_1$ - $C_3$  alkyl,  $C_1$ - $C_3$  haloalkyl, or  $C_1$ - $C_3$  alkoxy  $C_1$ - $C_3$  alkyl; and Q is [Q-2], [Q-3], [Q-4], or [Q-5] of the formula:

wherein X is hydrogen or halogen;

Y is halogen, nitro, cyano, or trifluoromethyl;

Z<sup>1</sup> is oxygen, sulfur, or NH;

Z<sup>2</sup> is oxygen or sulfur;

n is 0 or 1 when  $Z^1$  is sulfur or NH and n is 0 when  $Z^1$  is oxygen;

R<sup>4</sup> is hydrogen or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>5</sup> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkylalkyl, C<sub>3</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>6</sub> haloalkenyl, C<sub>3</sub>-C<sub>6</sub> haloalkenyl, C<sub>3</sub>-C<sub>6</sub> haloalkynyl, cyano C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>8</sub>

alkoxyalkyl,  $C_3$ - $C_8$  alkoxyalkoxyalkyl, carboxy  $C_1$ - $C_6$  alkyl,  $(C_1$ - $C_6$  alkoxy)-carbonyl  $C_1$ - $C_6$  alkyl,  $\{(C_1$ - $C_4$  alkoxy)  $C_1$ - $C_4$  alkoxy $\}$  carbonyl  $C_1$ - $C_6$  alkyl,  $(C_3$ - $C_8$  cycloalkoxy)carbonyl  $C_1$ - $C_6$  alkyl,  $CH_2CON(R^{11})R^{12}$ ,  $CH_2COON(R^{11})R^{12}$ ,  $CH(C_1$ - $C_4$  alkyl) $CON(R^{11})R^{12}$ ,  $CH(C_1$ - $C_4$  alkyl) $COON(R^{11})R^{12}$ ,  $C_2$ - $C_8$  alkylthioalkyl, or hydroxy  $C_1$ - $C_6$  alkyl;

 $R^6$  is  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  haloalkyl, formyl, cyano, carboxyl, hydroxy  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy  $C_1$ - $C_6$  alkoxy  $C_1$ - $C_6$  alkoxy  $C_1$ - $C_6$  alkyl,  $(C_1$ - $C_6$  alkyl)carbonyloxy  $C_1$ - $C_6$  alkyl,  $(C_1$ - $C_6$  haloalkyl)carbonyloxy  $C_1$ - $C_6$  alkyl,  $(C_1$ - $C_6$  alkoxy)carbonyl, or  $(C_1$ - $C_6$  alkyl)carbonyl;

R<sup>7</sup> is hydrogen or C<sub>1</sub>-C<sub>6</sub> alkyl; and

 $R^8$  is hydrogen,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  haloalkyl, hydroxy  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_8$  alkoxyalkyl,  $C_3$ - $C_{10}$  alkoxyalkoxyalkyl,  $(C_1$ - $C_5$  alkyl)carbonyloxy  $C_1$ - $C_6$  alkyl,  $(C_1$ - $C_6$  haloalkyl)carbonyloxy  $C_1$ - $C_6$  alkyl, carboxyl, carboxyl, carboxyl,  $(C_1$ - $C_6$  alkyl,  $(C_1$ - $C_8$  alkoxy)-carbonyl,  $(C_1$ - $C_6$  haloalkoxy)carbonyl,  $(C_3$ - $C_{10}$  cycloalkoxy)carbonyl,  $(C_3$ - $C_8$  alkenyloxy)carbonyl,  $(C_3$ - $C_8$  alkynyloxy)carbonyl, aminocarbonyl,  $(C_1$ - $C_6$  alkyl)aminocarbonyl,  $(C_1$ - $C_6$  alkyl)aminocarbonyloxy  $C_1$ - $C_6$  alkyl, or di( $C_1$ - $C_6$  alkyl)aminocarbonyloxy  $C_1$ - $C_6$  alkyl; and

 $R^{11}$  and  $R^{12}$  are independently hydrogen,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  haloalkyl,  $C_3$ - $C_6$  alkenyl,  $C_3$ - $C_6$  alkynyl, cyano  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_8$  alkoxyalkyl,  $C_2$ - $C_8$  alkylthioalkyl, carboxy  $C_1$ - $C_6$  alkyl, ( $C_1$ - $C_6$  alkoxy)carbonyl  $C_1$ - $C_6$  alkyl, ( $C_3$ - $C_8$  cycloalkoxy)carbonyl  $C_1$ - $C_6$  alkyl, {( $C_1$ - $C_4$  alkoxy)  $C_1$ - $C_4$  alkoxy}carbonyl  $C_1$ - $C_6$  alkyl, or  $R^{11}$  and  $R^{12}$  are combined together to form tetramethylene, pentamethylene, or ethyleneoxy-ethylene.

- 2. A compound according to claim 1, wherein R<sup>1</sup> is trifluoromethyl.
- 3. A compound according to claim 1, wherein  $R^2$  is hydrogen or  $C_1$ - $C_3$  alkyl, and  $R^3$  is hydrogen or  $C_1$ - $C_3$  alkyl.
- 4. A compound according to claim 1, wherein  $R^1$  is trifluoromethyl,  $R^2$  is hydrogen or  $C_1$ - $C_3$  alkyl, and  $R^3$  is hydrogen or  $C_1$ - $C_3$  alkyl.
  - 5. A compound according to claim 1, 2, 3, or 4, wherein Q is [Q-2].
  - 6. A compound according to claim 1, 2, 3, or 4, wherein Q is [Q-3].
  - 7. A compound according to claim 1, 2, 3, or 4, wherein Q is [Q-4].
  - 8. A compound according to claim 1, 2, 3, or 4, wherein Q is [Q-5].
- 9. A herbicidal composition comprising a herbicidally effective amount of the compound according to claim 1, and an inert carrier or diluent.
- 10. A method for controlling unfavorable weeds, which comprises applying a herbicidally effective amount of the compound according to claim 1 to an area where the unfavorable weeds grow or will grow.
  - 11. A compound of the formula:

$$Q^{1}-NHN=C < \begin{cases} R^{3} \\ C - CF_{3} \\ 0 \end{cases}$$

wherein  $R^3$  is hydrogen,  $C_1$ - $C_3$  alkyl,  $C_1$ - $C_3$  haloalkyl or  $C_1$ - $C_3$  alkoxy  $C_1$ - $C_3$  alkyl and  $Q^1$  is [Q-2], [Q<sup>1</sup>-3], [Q-4], or [Q-5] of the formula:

wherein X is hydrogen or halogen;

Y is halogen, nitro, cyano, or trifluoromethyl;

 $Z^1$  is sulfur or NH;

Z<sup>2</sup> is oxygen or sulfur;

n is 0 or 1;

 $R^4$  is hydrogen or  $C_1$ - $C_3$  alkyl;

R<sup>5</sup> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> haloalkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkylalkyl, C<sub>3</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>6</sub> haloalkenyl, C<sub>3</sub>-C<sub>6</sub> haloalkynyl, cyano C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>8</sub> alkoxyalkyl, C<sub>3</sub>-C<sub>8</sub> alkoxyalkoxyalkyl, carboxy C<sub>1</sub>-C<sub>6</sub> alkyl, (C<sub>1</sub>-C<sub>6</sub> alkoxy)-carbonyl C<sub>1</sub>-C<sub>6</sub> alkyl, {(C<sub>1</sub>-C<sub>4</sub> alkoxy) C<sub>1</sub>-C<sub>4</sub> alkoxy}carbonyl C<sub>1</sub>-C<sub>6</sub> alkyl, (C<sub>3</sub>-C<sub>8</sub> cycloalkoxy)carbonyl C<sub>1</sub>-C<sub>6</sub> alkyl, CH<sub>2</sub>CON(R<sup>11</sup>)R<sup>12</sup>, CH<sub>2</sub> COON(R<sup>11</sup>)R<sup>12</sup>, CH(C<sub>1</sub>-C<sub>4</sub> alkyl)CON(R<sup>11</sup>)R<sup>12</sup>, CH(C<sub>1</sub>-C<sub>4</sub> alkyl)COON(R<sup>11</sup>)R<sup>12</sup>, C<sub>2</sub>-C<sub>8</sub> alkylthioalkyl, or hydroxy C<sub>1</sub>-C<sub>6</sub> alkyl;

 $R^{11}$  and  $R^{12}$  are independently hydrogen,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  haloalkyl,  $C_3$ - $C_6$  alkenyl,  $C_3$ - $C_6$  alkynyl, cyano  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_8$  alkoxyalkyl,  $C_2$ - $C_8$  alkylthioalkyl,

carboxy  $C_1$ - $C_6$  alkyl,  $(C_1$ - $C_6$  alkoxy)carbonyl  $C_1$ - $C_6$  alkyl,  $(C_3$ - $C_8$  cycloalkoxy)carbonyl  $C_1$ - $C_6$  alkyl,  $\{(C_1$ - $C_4$  alkoxy)  $C_1$ - $C_4$  alkoxy $\}$  carbonyl  $C_1$ - $C_6$  alkyl, or  $R^{11}$  and  $R^{12}$  are combined together to form tetramethylene, pentamethylene, or ethyleneoxy-ethylene

R<sup>7</sup> is hydrogen or C<sub>1</sub>-C<sub>6</sub> alkyl;

 $R^8$  is hydrogen,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  haloalkyl, hydroxy  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_8$  alkoxyalkyl,  $C_3$ - $C_{10}$  alkoxyalkoxyalkyl, ( $C_1$ - $C_5$  alkyl)carbonyloxy  $C_1$ - $C_6$  alkyl, ( $C_1$ - $C_6$  haloalkyl)carbonyloxy  $C_1$ - $C_6$  alkyl, carboxyl, carboxyl, carboxyl, ( $C_1$ - $C_6$  alkyl, ( $C_1$ - $C_8$  alkoxy)-carbonyl, ( $C_1$ - $C_6$  haloalkoxy)carbonyl, ( $C_3$ - $C_{10}$  cycloalkoxy)carbonyl, ( $C_3$ - $C_8$  alkenyl-oxy)carbonyl, ( $C_3$ - $C_8$  alkynyloxy)carbonyl, aminocarbonyl, ( $C_1$ - $C_6$  alkyl)amino-carbonyl, di( $C_1$ - $C_6$ -alkyl)aminocarbonyl, ( $C_1$ - $C_6$  alkyl)aminocarbonyloxy  $C_1$ - $C_6$  alkyl, or di( $C_1$ - $C_6$  alkyl)aminocarbonyloxy  $C_1$ - $C_6$  alkyl; and

 $R^9$  is  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  haloalkyl, cyano, carboxyl, hydroxy  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy  $C_1$ - $C_6$  alkoxy  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkyl)carbonyloxy  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkyl)carbonyloxy  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkoxy)carbonyl, or  $C_1$ - $C_6$  alkyl) carbonyl.